

Converting Colors

CIELCh(52, 81.428, 33.482)

Have a look what the booklet for
CIELCh(52, 81.428, 33.482) contains.

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Color

CIELCh(52, 81.428, 33.482)

Conversions

Conversions Part 1

Format	Color
Hex	EA3333
RGB	234, 51, 51
RGB Percent	92%, 20%, 20%
CMY	0.0817, 0.7992, 0.7995
CMYK	0.00, 0.78, 0.78, 0.08
HSL	0°, 81%, 56%
HSV	0°, 78%, 92%
XYZ	35.7783, 20.1443, 5.1480
YIQ	105.7170, 109.0680, 38.7960

Conversions

Conversions Part 2

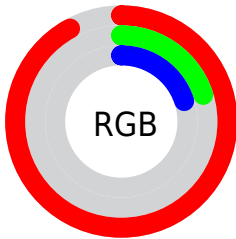
Format	Color
RYB	234, 51, 51
Decimal	15348531
CIELab	52.00, 67.92, 44.92
CIELCh	52, 81.428, 33.482
Yxy	20.1443, 0.5859, 0.3299
Android (android.graphics.Color)	4293538611 (0xFFEA3333)
YUV	105.7170, -26.9755, 112.5042
Hunter-Lab	44.8824, 63.7480, 24.6172

Details

The CIELCh color **52, 81.428, 33.482** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 44.504, 196.594**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.366, 33.037**, and **35, 75.223, 38.418** is the 20% darker color. If you saturate the color by 10%, you get **50, 90.820, 37.021**, and if you desaturate by 10%, it is **55, 70.599, 30.038**.

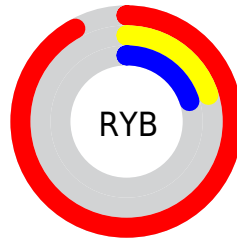
Distribution



Red (92%)

Green (20%)

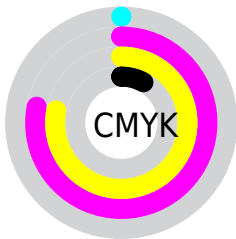
Blue (20%)



Red (92%)

Yellow (20%)

Blue (20%)

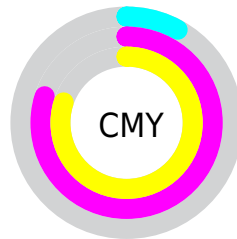


Cyan (0%)

Magenta (78%)

Yellow (78%)

Black (8%)



Cyan (8%)

Magenta (80%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 81.428, 33.482 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 52, 81.428, 33.482 by changing the saturation by 10% instead.

 52, 81.428, 33.482

 52, 81.428, 33.482

 100, 81.428,
33.482

 42, 81.428, 33.482

 72, 81.428, 33.482

 32, 81.428, 33.482

 82, 81.428, 33.482

 22, 81.428, 33.482

 92, 81.428, 33.482

 12, 81.428, 33.482

 2, 81.428, 33.482

 0, 81.428, 33.482

 52, 81.428, 33.482

 52, 81.428, 33.482

 50, 90.820, 37.021

 55, 70.599, 30.038

 49, 97.061, 39.590

 59, 59.229, 27.140

49, 98.039, 40.004

64, 47.811, 24.850

69, 36.695, 23.089

75, 26.118, 21.743

81, 16.207, 20.705

88, 7.005, 19.869

94, 1.506, 199.760

99, 7.131, 199.047

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52, 81.428, 33.482



85, 44.504, 196.594

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52, 81.428, 33.482



52, 81.428, 83.482



52, 81.428, 213.482



52, 81.428, 263.482

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52, 81.425, 33.484



84, 22.412, 21.185



58, 100.552, 327.984



43, 15.730, 21.577



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 81.425, 33.484



54, 101.503, 38.794



67, 66.333, 65.115



46, 4.903, 19.972



38, 80.841, 39.991



7, 28.526, 22.738

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



85, 44.504, 196.594



91, 49.762, 196.470



58, 53.944, 275.019



48, 4.617, 199.006



67, 38.727, 196.454



19, 16.585, 196.444

Previews

White Background



This preview shows how the CIELCh color 52, 81.428, 33.482 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 81.428, 33.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 81.428, 33.482

Background



This preview shows how black text looks on a background with the CIELCh color 52, 81.428, 33.482.



This preview shows how white text looks on a background with the CIELCh color 52, 81.428, 33.482.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52, 81.428, 33.482

Protanopia

52, 29.978, 96.708

Deuteranopia

52, 48.297, 81.916



Tritanopia
52, 81.164, 33.158

Trichromacy



Original Color
52, 81.428, 33.482

Protanomaly
49, 41.394, 49.609

Deuteranomaly
50, 55.386, 53.871

Tritanomaly
52, 81.164, 33.158

Monochromacy



Original Color
52, 81.428, 33.482

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 30.221, 23.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 81.428, 33.482 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(234, 51, 51)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 51, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 81.428, 33.482 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 51, 51) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(234, 51, 51) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(234, 51, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(234, 51,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 81.428, 33.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 51, 51) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234, 51,  
51) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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